

CENTRAL INTELLIGENCE AGENCY REPORT

INFORMATION REPORT CD NO.

50X1

CONFIDENTIAL

COUNTRY Yugoslavia

DATE DISTR. 27 APR 50

SUBJECT Mass Production of Gas Generators for Trucks and Tractors

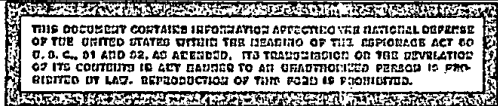
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SUPPLEMENT TO 50X1-HUM REPORT NO.



THIS IS UNEVALUATED INFORMATION

50X1-HUM



1. In order to economize in fuel expenses for trucks, buses and tractors, the Yugoslav motor industry has initiated a project concerned with the conversion of motors so that they can run on gas supplied by gas generators.
2. The TAM automobile factory has been entrusted with the task of constructing such gas generators, and in the past year the following models have been produced:

Guslof - for wood and peat. It has a special compartment for drying humid pieces of wood. It is particularly suitable for tractors.  
Janka - for wood.  
Visko - for wood and hard coal.  
Mercedes-Benz - for hard coal.  
Krenig - for brown coal.  
Dekozen - for wood. It is particularly suitable for passenger automobiles.

3. In the meantime, a license has been purchased [redacted] for the construction of gas generators of the Imbert model. Mass production of this type of gas generator has begun in the TAM factory. The Imbert gas generator is cylindrical with a double surface cover (sic; possible insulated, double walls). At the bottom are a grate and ash box. The furnace is made from high temperature steel. The periphery of the furnace has air holes for the air which comes out of the chamber (sic). The air enters the chamber through an opening on the surface of the generator, which is shut by means of a lid. The generator is lighted through this opening.
4. Research and tests have proven that motors use up the following per hour for a given horsepower:

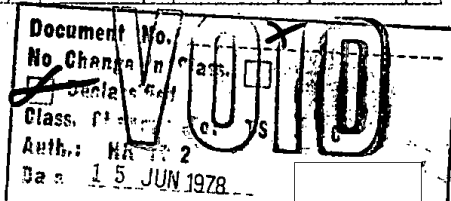
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- a. Petroleum (benzine) approximately 0.3 liters at 10 dinars per liter - 3 dinars  
Wood approximately 1 kg. at 1 dinar per kilogram - 1 dinar  
Lignite approximately 1.1 kg. at 0.60 per kilogram - 0.66 dinar

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Next Review Date: 2008



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Brown coal approximately 0.9 kg. at 1 dinar per kilogram - 0.90 dinar

Peat .2 kg. at 0.5 dinar per kilogram - 0.60 dinar

Wood coal (sic) approximately 0.4 kg at 4 dinars per  
kilogram - 1.60 dinars

- b. If a motor run on petroleum (benzine) has been altered so that it can use hard fuel, then instead of one liter of petroleum, one of the following is necessary:

Wood 2.5 kg. at 1 dinar per kilogram - 2.5 dinars

Lignite 2.75 kg. at 0.60 dinar per kilogram - 1.65 dinars

Brown coal 2.3 at 1 dinar per kilogram - 2.30 dinars

Peat 3 kg. at 0.50 dinar per kilogram - 1.50 dinars

Wood coal (sic) 1.33 kg. at 4 dinars per kilogram - 5.32 dinars

5. Trucks are used on an average of 80 kilometers daily, i.e. 2,400 kilometers a month. If a truck uses up 30 liters of petroleum per 100 kilometers, the monthly expenses for fuel would amount to:

Petroleum (benzine) 720 liters at 10 dinars - 7,200 dinars

Wood 1,800 kilograms at 1 dinar - 1,800 dinars.

This means that the monthly saving per truck would amount to 5,400 dinars, and the yearly saving to 64,800 dinars.

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